

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---|------------------|---------|---------------------|
| L1 | 2 | second adj nmos same logic adj core | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 13:56 |
| L2 | 4 | second adj nmos same Vcc same Vdd | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 13:58 |
| L3 | 208 | second adj nmos same level adj shift\$3 | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 13:59 |
| L4 | 4 | second adj nmos same level adj shift\$3 same operating near3 voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 14:00 |
| L5 | 1 | second adj nmos same level adj shift\$3 same operating near3 voltage | USPAT | OR | ON | 2006/10/17 14:01 |
| L6 | 30 | second adj nmos same level adj shift\$3 and operating near3 voltage | USPAT | OR | ON | 2006/10/17 14:18 |
| L7 | 12 | second adj nmos same level adj shift\$3 and operating near3 voltage and (logic near2 core internal near2 circuit) | USPAT | OR | ON | 2006/10/17 14:17 |
| L8 | 20 | second adj nmos same level adj shift\$3 and (core near2 logic internal near2 circuit) | USPAT | OR | ON | 2006/10/17 14:19 |
| L9 | 15 | ("20030102890" "4808852" "5204557" "5559464" "5669684" "5995010" "6034549" "6064229" "6208167" "6232794" "6242962" "6268744" "6522168" "6650168" "6836148"). PN. | US-PGPUB ; USPAT; USOCR | OR | ON | 2006/10/17 14:19 |

EAST Search History

| | | | | | | |
|-----|-------|---|---|----|----|---------------------|
| L11 | 50703 | (First near2 voltage same second near2 voltage VCC same VDD) same output | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 16:15 |
| L12 | 2654 | (First near2 voltage same second near2 voltage VCC same VDD) same output near3 stage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 16:15 |
| L13 | 0 | (First near2 voltage same second near2 voltage VCC same VDD) same output near3 stage same (core adj logic) | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 16:16 |
| L14 | 9 | (First near2 voltage same second near2 voltage VCC same VDD) same output near3 stage same (core adj logic internal adj circuit) | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 16:18 |
| L15 | 9 | (First near2 voltage same second near2 voltage Vdd1 same VDD) same output near3 stage same (core adj logic internal adj circuit) | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 16:19 |
| L16 | 6 | (Vdd1 same VDD) same output near3 stage and (core adj logic internal adj circuit) | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 16:20 |
| L17 | 27 | (Vdd1 same VDD) same output and (core adj logic internal adj circuit) | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 16:23 |
| L18 | 3 | (Vdd1 same VDD) same output and (core adj logic internal adj circuit) and level near shift\$4 | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 16:25 |

EAST Search History

| | | | | | | |
|-----|-----|--|---|----|-----|---------------------|
| L19 | 166 | nmos same cascode and level near shift\$4 | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 16:25 |
| L20 | 111 | nmos same cascode and level near shift\$4 | USPAT | OR | ON | 2006/10/17 16:25 |
| L21 | 64 | nmos same cascode and level near shift\$4 and operating with voltage | USPAT | OR | ON | 2006/10/17 16:26 |
| L22 | 36 | nmos same cascode and level near shift\$4 and operating near2 voltage | USPAT | OR | ON | 2006/10/17 16:26 |
| L23 | 7 | nmos same cascode same level near shift\$4 and operating near2 voltage | USPAT | OR | ON | 2006/10/17 16:26 |
| S1 | 2 | "20050146819" | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 16:26 |
| S2 | 79 | esd and input adj stage same output adj stage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 12:07 |
| S3 | 0 | esd and input adj stage same output adj stage same doides | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/16 12:08 |
| S4 | 2 | esd and input adj stage same output adj stage same diodes | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/16 12:10 |
| S5 | 43 | esd and output adj stage same diodes | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/16 12:12 |

EAST Search History

| | | | | | | |
|-----|----|---|---|----|-----|---------------------|
| S6 | 0 | esd and output adj stage same diodes same vow adj voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/16 12:13 |
| S7 | 1 | esd and output adj stage same diodes same low adj voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/16 12:13 |
| S8 | 26 | esd and output adj stage same diodes and low adj voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/16 12:13 |
| S9 | 5 | esd and output adj stage same diodes and low adj voltage and high adj voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/16 12:22 |
| S10 | 2 | esd and output adj stage same diodes same cmos and low adj voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/16 13:56 |
| S11 | 2 | esd and output adj stage same diodes same gate same cmos and low adj voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/16 14:09 |
| S12 | 14 | esd and output adj stage and low adj voltage and high adj voltage and intermediate adj voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/16 14:12 |
| S13 | 91 | esd and output adj stage and output with diode with gate | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/16 14:13 |

EAST Search History

| | | | | | | |
|-----|-----|--|---|----|-----|---------------------|
| S14 | 3 | esd same output adj stage and output with diode with gate | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/16 14:42 |
| S15 | 19 | protection same output adj stage and output and vcc and vdd | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2006/05/16 14:44 |
| S16 | 14 | protection same output adj stage and output same diode and vcc and vdd | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 14:46 |
| S17 | 201 | output adj stage and output same diode and vcc and vdd | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 14:46 |
| S18 | 176 | output adj stage and output same diode and vcc and vdd and source and drain | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 14:47 |
| S19 | 137 | output adj stage and output same diode same source and drain and vcc and vdd | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 14:52 |
| S20 | 1 | output adj stage and output same diode same source and drain and vcc and vdd and vdd1 | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 14:48 |
| S21 | 1 | output adj stage and output same diode same source and drain and vcc and vdd2 and vdd1 | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 14:49 |

EAST Search History

| | | | | | | |
|-----|-----|---|---|----|----|---------------------|
| S22 | 2 | "5440244".pn. | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 14:49 |
| S23 | 1 | "5440244".pn. and diode | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 14:50 |
| S24 | 132 | output adj stage and output same diode same source same drain same (cmos) | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 14:52 |
| S25 | 425 | output adj stage and output same diode same source same drain same (cmos mos) | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 15:24 |
| S26 | 44 | output adj stage and output same diode same source same drain same (cmos mos) same protect\$3 | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 14:54 |
| S27 | 20 | output adj stage same output same diode same source same drain same (cmos mos) same protect\$3 | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 14:54 |
| S28 | 3 | output adj stage same output same diode near2 gate same source same drain same (cmos mos) same protect\$3 | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 15:04 |
| S29 | 2 | "5867010".pn. | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 15:06 |

EAST Search History

| | | | | | | |
|-----|-------|--|---|----|----|---------------------|
| S30 | 2 | "5844425".pn. | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 15:06 |
| S31 | 129 | output adj stage and output same diode same source same drain same (cmos mos) and transient | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 15:28 |
| S32 | 3 | output adj stage and output same diode same source same drain same (cmos mos) and transient and 361/56.ccls. | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 15:29 |
| S33 | 8 | output adj stage and output same diode same source same drain same (cmos mos) and 361/56. ccls. | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 16:09 |
| S34 | 1 | kirchoff | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 16:12 |
| S35 | 3259 | kirchhoff | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/16 16:12 |
| S36 | 52760 | output adj stage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 16:27 |
| S37 | 7586 | S36 same diode | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 16:27 |

EAST Search History

| | | | | | | |
|-----|------|--|---|----|----|---------------------|
| S38 | 405 | S37 same protection | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 16:28 |
| S39 | 14 | S38 same cmos | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/18 16:28 |
| S40 | 1263 | 326/80,81.ccls. | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 11:40 |
| S41 | 0 | 326/80,81.ccls. same cmos same saturation | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 11:41 |
| S42 | 6 | 326/80,81.ccls. and cmos same saturation | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 11:44 |
| S43 | 93 | 326/80,81.ccls. and cmos same diode | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 11:45 |
| S44 | 57 | 326/80,81.ccls. and cmos same diode same output | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 11:45 |
| S45 | 15 | 326/80,81.ccls. and cmos same diode same output near4 (stage node) | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 11:52 |

EAST Search History

| | | | | | | |
|-----|---------|--|---|----|----|---------------------|
| S46 | 1 | "7046036".pn. | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 11:53 |
| S47 | 2 | ("6201428" "6388475"). PN. | US-PGPUB ; USPAT; USOCR | OR | ON | 2006/05/20 11:55 |
| S48 | 3 | ("6201428").URPN. | USPAT | OR | ON | 2006/05/20 11:56 |
| S49 | 6 | ("6388475").URPN. | USPAT | OR | ON | 2006/05/20 11:57 |
| S50 | 2 | ("6201428" "6388475"). PN. | US-PGPUB ; USPAT; USOCR | OR | ON | 2006/05/20 11:59 |
| S51 | 1737 | cmos same ttl same level | US-PGPUB ; USPAT; USOCR | OR | ON | 2006/05/20 12:00 |
| S52 | 1131451 | cmos same ttl same levelnear2 shift\$3 | US-PGPUB ; USPAT; USOCR | OR | ON | 2006/05/20 12:00 |
| S53 | 178 | cmos same ttl same level near2 shift\$3 | US-PGPUB ; USPAT; USOCR | OR | ON | 2006/05/20 12:01 |
| S54 | 1 | cmos same ttl same level near2 shift\$3 same core | US-PGPUB ; USPAT; USOCR | OR | ON | 2006/05/20 12:01 |
| S55 | 9 | cmos same ttl same level near2 shift\$3 and gate near3 diode | US-PGPUB ; USPAT; USOCR | OR | ON | 2006/05/20 12:04 |
| S56 | 91 | cmos same ttl same level near2 shift\$3 and bias\$4 | US-PGPUB ; USPAT; USOCR | OR | ON | 2006/05/20 12:04 |
| S57 | 14 | cmos same ttl same level near2 shift\$3 same bias\$4 | US-PGPUB ; USPAT; USOCR | OR | ON | 2006/05/20 12:07 |
| S58 | 2 | cmos same ttl same level near2 shift\$3 same bias\$4 same diode | US-PGPUB ; USPAT; USOCR | OR | ON | 2006/05/20 12:09 |
| S59 | 32 | cmos same level near2 shift\$3 same bias\$4 same diode | US-PGPUB ; USPAT; USOCR | OR | ON | 2006/05/20 12:10 |
| S60 | 3 | cmos same level near2 shift\$3 same bias\$4 same diode and protection | US-PGPUB ; USPAT; USOCR | OR | ON | 2006/05/20 12:11 |
| S61 | 0 | cmos same level near2 shift\$3 same bias\$4 same diode with gate and protection | US-PGPUB ; USPAT; USOCR | OR | ON | 2006/05/20 12:11 |

EAST Search History

| | | | | | | |
|-----|----|--|---|----|----|---------------------|
| S62 | 7 | cmos same level near2 shift\$3 same bias\$4 same diode with gate | US-PGPUB ; USPAT; USOCR | OR | ON | 2006/05/20 12:27 |
| S63 | 1 | cmos same level near2 shift\$3 same bias\$4 same diode near2 gate | US-PGPUB ; USPAT; USOCR | OR | ON | 2006/05/20 12:27 |
| S64 | 27 | relatively adj high adj voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 12:54 |
| S65 | 1 | relatively adj high adj voltage and relatively adj low adj voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 12:52 |
| S66 | 1 | relatively adj high near voltage and relatively adj low near voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 12:52 |
| S67 | 0 | relatively adj high near voltage and relatively adj low near voltage | US-PGPUB | OR | ON | 2006/05/20 12:53 |
| S68 | 0 | relatively adj high near voltage and "20050146819" | US-PGPUB | OR | ON | 2006/05/20 12:53 |
| S69 | 0 | relatively near high near voltage and "20050146819" | US-PGPUB | OR | ON | 2006/05/20 12:53 |
| S70 | 1 | "20050146819" | US-PGPUB | OR | ON | 2006/05/20 12:54 |
| S71 | 0 | "20050146819" and "relatively low voltage" | US-PGPUB | OR | ON | 2006/05/20 12:54 |
| S72 | 32 | relatively adj low adj voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 13:00 |
| S73 | 1 | S72 and S64 | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 12:56 |

EAST Search History

| | | | | | | |
|-----|----|--|---|----|----|---------------------|
| S74 | 54 | relatively near2 low near2 voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 13:00 |
| S75 | 45 | relatively near2 high near2 voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 13:01 |
| S76 | 5 | S74 and S75 | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 13:00 |
| S77 | 0 | (relatively near2 high near2 voltage).clm. | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 13:01 |
| S78 | 0 | (relatively near2 low near2 voltage).clm. | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 13:01 |
| S79 | 0 | (relatively with low with voltage).clm. | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/05/20 13:01 |
| S80 | 12 | second adj nmos same saturated | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/16 15:55 |
| S81 | 0 | second adj nmos same saturated same third adj nmos | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/16 15:43 |

EAST Search History

| | | | | | | |
|-----|-----|--|---|----|----|---------------------|
| S82 | 176 | second adj nmos and saturated | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/16 15:54 |
| S83 | 58 | second adj nmos same saturat\$3 | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/16 15:55 |
| S84 | 23 | second adj nmos same saturat\$3 and third adj nmos | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/16 15:57 |
| S85 | 40 | second adj nmos same saturat\$3 and bias\$3 | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/16 15:58 |
| S86 | 11 | second adj nmos same saturat\$3 same bias\$3 | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 13:55 |
| S87 | 4 | second adj nmos same saturat\$3 same bias\$3 and operation near3 voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 10:06 |
| S88 | 26 | second adj (nmos mos fet mosfet) same saturat\$3 same bias\$3 and operation near3 voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 10:09 |
| S89 | 96 | second with (nmos mos fet mosfet) same saturat\$3 same bias\$3 and operation near3 voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 10:09 |

EAST Search History

| | | | | | | |
|-----|----|---|---|----|----|---------------------|
| S90 | 14 | second with (nmos mos fet mosfet) same saturat\$3 same bias\$3 same operation near3 voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 10:09 |
| S91 | 17 | second with (nmos mos fet mosfet) same saturat\$3 same bias\$3 same (operation operational) near3 voltage | US-PGPUB ; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/10/17 10:10 |